



ENVIRONMENTAL COMPLIANCE SERVICES, INC.



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December 2, 2013
Project No. 08-221182.00

Ms. Lynda Provencher
Vermont Department of Environmental Conservation
Sites Management Section
1 National Life Drive – Davis 1
Montpelier, VT 05620-3704

RE: VOC Investigation
Waterville Fire District 1 (WSID #VT0005169)
Waterville, VT
Spill #WMD501

Dear Ms. Provencher:

This report summarizes the findings of an investigation and area-wide distribution system sampling event to determine the source of volatile organic compounds (VOCs) identified in the Waterville Fire District 1 water system (WSID #5169) in Waterville, VT. The work was completed in accordance with ECS' 31 October 2013 work plan and performed under the Site Investigation Contract with the Vermont Department of Environmental Conservation (VT DEC) and with cooperation from the Drinking Water and Groundwater Protection Division (DWGPD). The scope of work included sampling selected locations within the distribution system, inspection of the area to determine potential sources of contamination (PSOCs) and reviewing historical maps and documents at the University of Vermont library.

The Waterville Fire District 1 is a community water system with 48 service connections in the downtown historic district of Waterville, VT. The distribution system provides water to mostly residential and some commercial/community buildings, including the Town Hall, Waterville Market, Waterville Union Church, and the Waterville Garage. Buildings within the distribution system have private septic systems and heat with fuel oil, kerosene, or propane.

According to the June 2013 Operating Permit, water is provided by two springs. The water is treated for corrosion control with soda ash and disinfected with chlorine. The treated water flows via gravity to a 2-cell concrete storage tank with a combined storage of 9,000 gallons and then into the distribution system through PVC piping. It is our understanding that the PVC lines replaced the former water distribution system approximately seven years ago. ECS received proposed engineering plans for review (dated June 29, 2005). PVC lines are approximately six feet below ground surface (bgs) throughout the distribution system.

Prior to this investigation, the tenants at 814 Route 109 reported a fuel oil odor to the water. A water sample collected by the water system operator on September 26, 2013 confirmed the presence of VOCs in the water. The water system operator observed that the property was also connected to a spring of unknown location. A hydrant at the end of the distribution line was flushed for several days prior to resampling. Two more water samples were collected from 600 and 793 Route 109. VOCs were detected at these locations on October 1, 2013 and lower VOC concentrations were detected on October 10, 2013. The system has been flushing from the hydrant continuously since this time, under the direction of the Groundwater and Drinking Water Protection Division.

WHERE BUSINESS AND THE ENVIRONMENT CONVERGE

> CONNECTICUT > FLORIDA > MASSACHUSETTS > NEW HAMPSHIRE > NORTH CAROLINA > OHIO > PENNSYLVANIA > VERMONT >

SUPPLY WELL SAMPLING RESULTS

On 14 November 2013, ECS collected distribution system samples from 16 locations, including the source (untreated water at the well house) and hydrant at the end of the distribution system on Rt. 109. Benzene was detected at 619 Rt. 109 at a concentration of 3.07 micrograms per liter ($\mu\text{g}/\text{L}$), which is above the Vermont Health Advisory of 1.0 $\mu\text{g}/\text{L}$. Ortho-chlorotoluene (2-) and/or para-chlorotoluene (4-) were detected at five locations at concentrations below the Vermont Groundwater Enforcement Standards (VGES). ECS did not do extensive research on chlorotoluenes, however, they are organic solvents produced as herbicide carriers, textile dye carriers, general solvents, paint strippers, and general cleaners. Sample results are summarized on Table 1 and laboratory reports are presented in Appendix A.

ECS submitted the hydrant sample for analysis of total petroleum hydrocarbons (TPH) with fuel identification for EPA Method 8100. No petroleum compounds were detected in this sample; therefore, the results are non-detect. A sample collected from 756 Rt. 109 was placed on hold with the lab and was submitted for analysis due to VOC detections. Concentrations were too low for TPH or fuel identification on this sample.

POTENTIAL SOURCES OF CONTAMINATION SURVEY

ECS conducted a windshield survey and visual inspection from public right-of-way areas to identify PSOCs. During this survey, ECS identified the following PSOCs, which are identified as A through G on attached Figure 2.

A. Town Garage space behind 814/812 Route 109

ECS inspected the property behind 814/812 Route 109, which is reportedly used by Mr. Art Tobin (Waterville Road Commissioner) as town garage space. Three above-ground storage tanks containing gasoline and diesel fuel were located behind the building. These approximately 500-gallon skid tanks have dispenser nozzles for fueling vehicles and equipment. There is no secondary containment or cover over these tanks, which are placed on the unpaved ground surface. Leaks and overfills would release directly to the ground surface. A scrap metal pile behind the ASTs contained several metal 55-gallon drums. These drums were rusty and in poor condition; several within reach appeared to be empty.

A garage and covered storage area contained tires, multiple buckets of hydraulic oil, automotive parts and tools. Abandoned vehicles, plows, and other equipment can be found throughout the property. An oily sheen was observed on a puddle in the middle of the lot.

The residential units at 812 and 814 Rt. 109 were reportedly served by both the distribution lines of the water system and a private spring. The water system administrator was made aware of this potential dual connection when a complaint was made by the tenants at 814 Rt. 109 of a fuel oil odor in the water. During the investigation, the properties served by 812 and 814 Rt. 109 were receiving water from the spring only, with the distribution system valved off in the basement and the shut off at the curb stop. All lines are still physically connected. According to Mr. Tobin, the location of the spring is unknown. ECS was unable to locate the spring on November 14, 2013.

Based on the 11/14/13 water quality results, the spring at this property does not appear to be the source of contamination to the distribution system.

B. Waterville Garage, 634 Rt. 109 (SMS Site # 92-1315)

The Waterville Garage is a Closed Vermont hazardous waste site (VT DEC site #92-1315) that received Sites Management Activity Completed (SMAC) designation on October 21, 2010. A file review was conducted to determine if this site could be the source of VOCs in the distribution system.

On October 14, 1992, New England Industrial Maintenance removed two gasoline USTs from the site with capacities of 2,000 gallons and 1,000 gallons. Contaminated soil was detected in the UST excavation and 27 cubic yards of soil was removed and stockpiled onsite. The VT DEC requested additional investigation to define the degree and extent of contamination in a letter dated September 7, 1993. Griffin International installed a soil boring in the vicinity of the former UST excavation on February 16, 1994. Contamination was detected in this boring to 29 feet below grade when the boring met refusal on suspected bedrock. No groundwater was encountered in the boring; therefore, no monitoring well was installed. Stockpiled soils were screened and remained polyencapsulated onsite. The North Branch of the Lamoille River was identified as a sensitive receptor, as two groundwater seeps were observed and characterized as having gasoline-related compounds emanating from the bank in 1994 and 1998. A report of old metal car parts and metal debris discarded along the bank, overgrown with vegetation, was reported during these investigations as a result of 60 years of suspected garage dumping.

Subsequent work performed by the Verterre Group resulted in the thin-spreading of the soil stockpile in November 2006. Water samples were collected from two seeps on the bank of the North Branch of the Lamoille River and no VOCs were detected in these samples. The VT DEC issued the SMAC letter in 2010.

According to the 1974 edition of Log Cabin Days, the current Waterville Garage may have been a blacksmith shop. The Waterville Garage was not depicted on the 1962 air photo, but was present on the 1978 series photo.

C. 619 Route 109 – adjacent structure south

According to Mr. Tobin, the structure south and adjacent to the residence at 619 Route 109 was formerly a gasoline filling station in the 1960s. It may have served as the location of the former Waterville Garage (prior to construction of the current day Waterville Garage across the street). The structure appears to be currently used as storage and garage space, as there are some mower parts stored outside of the structure. According to the Town Clerks office, the current residence was formerly the Town Clerks office.

Historic maps from 1859 and 1878 show the property as a factory and sash factory, respectively. The adjacent structure south of this property is shown on the undated Sanborn maps, but not labeled. Air photos from 1962 and 1978 show a similar feature between the structure and the road that could be a dispenser island.

Based on maps provided by the water system administrator, the former water lines are located in front of this property and cross diagonally under Route 109 toward the Waterville Garage. These former water lines may serve as a preferential pathway for potential onsite contamination or the migration of gasoline-related compounds migrating from the Waterville Garage property.

D. 598 Route 109

According to Mr. Tobin, the property at 598 Route 109 was formerly a gasoline filling station. According to an undated Sanborn Map, this property was formerly a store and post office. The 1978 confirms this location to be a store and post office. This property is currently a residential apartment complex.

E. Waterville Market

According to Mr. Tobin, the Waterville Market, on the corner of Church Street and Rt. 109, was formerly a gasoline filling station. Air photos from 1962 and 1978 show a similar feature between the structure and the road that could be a dispenser island. Based on the water quality results, this is likely not the source of contamination to the water system.

F. 793 Rt. 109

According to Mr. Tobin, gasoline dispensers may have been present at this location. On the Beers Atlas Map of 1978, this property is shown as a mill and store. The undated Sanborn map depicts a saw mill and lumber dressing building on the North Branch of the Lamoille River. The buildings near the road are labeled as a store and dwelling. No tanks were shown on the historical maps. The property is currently an apartment complex with a side garage, containing automotive parts around the outside.

G. Historical land use on Fox Hill Road

Fox Hill Road is topographically upgradient of the area of interest along Route 109. ECS observed debris, including junked cars and former building structures deposited off the bank and along the brook from Fox Hill Road. According to historical maps and aerial photos (1962 and 1978 series), a lumber yard was located on the upper stretch of Fox Hill Road.

CONCEPTUAL SITE MODEL

VOCs are likely entering the Waterville Fire District 1 water distribution system. Results of comprehensive water quality testing by ECS suggest that water with the highest VOC concentrations are observed in the line at 619 Route 109. Concentrations decrease north along the distribution system to 793 Route 109. No samples were collected at 598 Route 109 due to inaccessibility. According to town residents, gasoline fueling occurred in the 1960s at both 619 Route 109 (adjacent structure to the south) and 598 Route 109.

Gasoline USTs were present at the Waterville Garage from 1970 through 1992. USTs were found to be leaking; however, no groundwater was detected above bedrock in the vicinity of the former tanks in one soil boring (Griffin, 1994). Waterville seems to have many natural springs, so shallow groundwater conditions may vary throughout the area.

In contaminated zones, the DWGPD typically recommends special chemical resistant gaskets to withstand breakdown of materials in contact with petroleum products. Based on the water system plans, the distribution system lines along Route 109 are buried along the eastern side of the road and Teflon tape was used to secure joints. It is possible that there is a weak joint in the distribution system due to the presence of petroleum, which is allowing contamination to enter a weak spot in the line during minor pressure fluctuations.

The former water lines were located on the west side of the road between Church Street and 619 Rt. 109. Utilities lines are common preferential pathways for contaminant migrations, due to the sandy backfill typically surrounding underground lines. The former water line crosses under Route 109 from the northeast

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corner of 619 Rt. 109 to the Waterville Garage property. The multiple junctions at the northeast corner of 619 Route 109 may be a weak spot in the distribution system.

RECOMMENDATIONS

Based on the above findings, additional investigation is required to determine if any of the listed PSOCs are the source of VOC contamination detected in the area. ECS recommends the following:

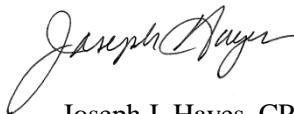
1. Additional research is needed to confirm potential historical filling stations along Route 109. Additional interviews with knowledgeable long-time residents and historians, as well as a deed search on above-referenced properties may be necessary.
2. Installation of shallow soil borings along the road north of 598 Rt. 109, with a focus on areas near suspected gasoline filling stations. Soil borings can be installed with a geoprobe at a depth of approximately 7 feet bgs. Soils will be described and screened with a photoionization detector.
3. Prior to soil borings, an electromagnetic (EM) and ground penetrating radar (GPR) surveys are recommended in areas of suspect gasoline filling stations, since it is unknown whether USTs remain. A private line locator may be needed to identify the water line location prior to drilling.
4. Another round of supply well sampling from the five locations with VOC detections, as well as unsampled locations at 598 Rt. 109 and 570 Rt. 109. All locations should be sampled for VOCs via EPA Method 524.2.
5. A report should be prepared, to include water quality analytical results, a figure showing soil borings and contaminant distribution, and recommendations for further action. It may be necessary to investigate other PSOCs if the soil boring program does not identify the source of contamination.

Please call me if you have any questions or comments regarding the enclosed information or recommendations. I can be reached at our office at (802) 241-4131.

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.



Laura Woodard
Hydrogeologist



Joseph J. Hayes, CPG, PG
Branch Manager

Enclosures

- Figure 1 – Site Plan with PSOCs
- Table 1 – Summary of Laboratory Results
- Appendix A – Laboratory Report

Cc: Marshall Pahl, Water System Administrator
Tim Raymond, DWGPD
Ellen Parr Doering, DWGPD

Figure 1 – Site Plan with Sample Locations and PSOCs
Waterville Fire District 1
November 2013



Legend:

- Dashed lines represent a rough sketch of water main lines
- 396 - Address of sample location on applicable road
- A – Potential Source of Contamination, described in summary report
- NS – not sampled

Table 1 - Summary of Groundwater VOCs

Waterville Fire District #1

Sample Date: November 14, 2013

Sample Location	VOCs by EPA Method 524.2 in ug/L or ppb			Notes	Free Chlorine (mg/L)
	Benzene	2-Chlorotoluene	4-Chlorotoluene		
Source - Water System	BRL<0.50	BRL<0.50	BRL<0.50	Spring sample from the system well house.	-
396 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50		0.85
454 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50	Possible connection to former spring remains.	0.79
64 Church St.	BRL<0.50	BRL<0.50	BRL<0.50		0.80
549 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50		0.54
Town Hall, Rt 109	NS	NS	NS		-
556 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50		1.07
598 Rt. 109	NS	NS	NS		-
600 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50		0.69
619 Rt. 109	3.07	60.8	35.2		0.91
634 Rt. 109	BRL<0.50	1.48	0.66	Waterville Garage	1.09
738 Rt. 109	BRL<0.50	1.67	0.62		0.68
756 Rt. 109	BRL<0.50	0.96	BRL<0.50		0.82
40 Fox Hill Road	BRL<0.50	BRL<0.50	BRL<0.50		0.59
793 Route 109	BRL<0.50	1.09	BRL<0.50		0.89
790 Rt. 109	BRL<0.50	BRL<0.50	BRL<0.50		0.93
814 Route 109	BRL<0.50	BRL<0.50	BRL<0.50	Sample represents spring water, not distribution water.	0.15
Hydrant	BRL<0.50	BRL<0.50	BRL<0.50	Fuel ID Results BRL<0.02 mg/L	0.65
Trip Blank	BRL<0.50	BRL<0.50	BRL<0.50	QAQC	
VAL	1.0	-	-		
VHA	-	100.0	100.0	Vermont Groundwater Enforcement Standards	
MCL	5.0	-	-		

Notes:

VOCs - volatile organic compounds

ug/L - micrograms per liter

ppb - parts per billion

VHA - Vermont Health Advisory

VAL - Vermont Action Levels

MCL - Maximum Contaminant Levels

Free chlorine measured with a field test kit in mg/L - milligrams per liter

Report Date:
02-Dec-13 09:11

- Final Report
 Re-Issued Report
 Revised Report



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

Environmental Compliance Services
1 Elm St. Suite 3
Waterbury, VT 05676
Attn: Laura Woodard

Project: Waterville Fire District - Waterville, VT
Project #: 08-221182.00

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB80492-01	Trip Blank	Drinking Water	14-Nov-13 00:00	15-Nov-13 10:58
SB80492-02	396 Rt 109	Drinking Water	14-Nov-13 08:40	15-Nov-13 10:58
SB80492-03	454 Rt 109	Drinking Water	14-Nov-13 09:00	15-Nov-13 10:58
SB80492-04	64 Church St	Drinking Water	14-Nov-13 11:15	15-Nov-13 10:58
SB80492-05	549 Rt 109	Drinking Water	14-Nov-13 11:10	15-Nov-13 10:58
SB80492-06	556 Rt 109	Drinking Water	14-Nov-13 10:10	15-Nov-13 10:58
SB80492-07	600 Rt 109	Drinking Water	14-Nov-13 11:45	15-Nov-13 10:58
SB80492-08	619 Rt 109	Drinking Water	14-Nov-13 11:35	15-Nov-13 10:58
SB80492-09	634 Rt 109	Drinking Water	14-Nov-13 12:00	15-Nov-13 10:58
SB80492-10	738 Rt 109	Drinking Water	14-Nov-13 12:30	15-Nov-13 10:58
SB80492-11	756 Rt 109	Drinking Water	14-Nov-13 12:22	15-Nov-13 10:58
SB80492-12	40 Fox Hill Rd	Drinking Water	14-Nov-13 13:00	15-Nov-13 10:58
SB80492-13	793 Rt 109	Drinking Water	14-Nov-13 12:35	15-Nov-13 10:58
SB80492-14	790 Rt 109	Drinking Water	14-Nov-13 12:45	15-Nov-13 10:58
SB80492-15	814 Rt 109	Drinking Water	14-Nov-13 10:29	15-Nov-13 10:58
SB80492-16	Hydrant	Drinking Water	14-Nov-13 13:10	15-Nov-13 10:58
SB80492-17	Source	Drinking Water	14-Nov-13 13:30	15-Nov-13 10:58

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110

Connecticut # PH-0777

Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538

New Jersey # MA011/MA012

New York # 11393/11840

Pennsylvania # 68-04426/68-02924

Rhode Island # 98

USDA # S-51435

Authorized by:



Nicole Leja
Laboratory Director



Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 54 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 1.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Dec 2, 2013 Report Revision Case Narrative:

This report has been revised to include analyses added as listed in the appendix at the end of this report.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 524.2

Calibration:

1311035

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trimethylbenzene
2-Butanone (MEK)
4-Isopropyltoluene
4-Methyl-2-pentanone (MIBK)
Bromoform
Bromomethane
Naphthalene
n-Butylbenzene
Styrene
trans-1,3-Dichloropropene
Vinyl chloride

This affected the following samples:

S313849-ICV1

Samples:

SB80492-08RE1 619 Rt 109

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client: Environmental Compliance Services - Waterbury, VT
Project: Waterville Fire District - Waterville, VT / 08-221182.00
Work Order: SB80492
Sample(s) received on: 11/15/2013
Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample IdentificationTrip Blank
SB80492-01

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 00:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample IdentificationTrip Blank
SB80492-01

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 00:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	89	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	103	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	107	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification396 Rt 109
SB80492-02

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 08:40

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification396 Rt 109
SB80492-02

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 08:40

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	92	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	101	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	107	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification

454 Rt 109

SB80492-03

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 09:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification454 Rt 109
SB80492-03

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 09:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	103	80-120 %	"	"	"	"	"

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Sample Identification

64 Church St

SB80492-04

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:15

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

64 Church St

SB80492-04

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:15

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	101	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	104	80-120 %	"	"	"	"	"

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Sample Identification

549 Rt 109

SB80492-05

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

549 Rt 109

SB80492-05

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	92	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	102	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	108	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification

556 Rt 109

SB80492-06

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 10:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

556 Rt 109

SB80492-06

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 10:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	101	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification

600 Rt 109

SB80492-07

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:45

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

600 Rt 109
SB80492-07

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:45

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	92	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification

619 Rt 109

SB80492-08

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:35

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
71-43-2	Benzene	3.07		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	83.1	E	µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	35.2		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

619 Rt 109

SB80492-08

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:35

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.			
Volatile Organic Compounds																
Purgeable Organic Compounds																
Prepared by method SW846 5030 Water MS																
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X			
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X			
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X			
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"				
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X			
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X			
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X			
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X			
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X			
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X			
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X			
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X			
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X			
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X			
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X			
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X			
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X			
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X			
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X			
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X			
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X			
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X			
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X			
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X			
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"				
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"				
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"				
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"				
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"				
Surrogate recoveries:																
460-00-4	4-Bromofluorobenzene	94			80-120 %			"	"	"	"	"				
2037-26-5	Toluene-d8	100			80-120 %			"	"	"	"	"				
17060-07-0	1,2-Dichloroethane-d4	100			80-120 %			"	"	"	"	"				
1868-53-7	Dibromofluoromethane	98			80-120 %			"	"	"	"	"				
Re-analysis of Purgeable Organic Compounds																
Prepared by method SW846 5030 Water MS																
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 2.50	D	µg/l	2.50	2.34	5	EPA 524.2	20-Nov-13	20-Nov-13	SJB	1328231				
67-64-1	Acetone	< 50.0	D	µg/l	50.0	12.8	5	"	"	"	"	"				
107-13-1	Acrylonitrile	< 2.50	D	µg/l	2.50	1.92	5	"	"	"	"	"				
71-43-2	Benzene	2.80	D	µg/l	2.50	1.92	5	"	"	"	"	"	X			
108-86-1	Bromobenzene	< 2.50	D	µg/l	2.50	1.22	5	"	"	"	"	"	X			
74-97-5	Bromoform	< 2.50	D	µg/l	2.50	2.31	5	"	"	"	"	"	X			

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Sample Identification

619 Rt 109

SB80492-08

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:35

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Purgeable Organic Compounds													
GS1													
Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 2.50	D	µg/l	2.50	2.40	5	EPA 524.2	20-Nov-13	20-Nov-13	SJB	1328231	X
75-25-2	Bromoform	< 2.50	D	µg/l	2.50	2.19	5	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.50	D	µg/l	2.50	2.47	5	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 50.0	D	µg/l	50.0	4.30	5	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 2.50	D	µg/l	2.50	1.24	5	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 2.50	D	µg/l	2.50	1.42	5	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 2.50	D	µg/l	2.50	1.68	5	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.50	D	µg/l	2.50	1.90	5	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 2.50	D	µg/l	2.50	2.40	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 2.50	D	µg/l	2.50	1.10	5	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.50	D	µg/l	2.50	2.45	5	"	"	"	"	"	X
67-66-3	Chloroform	< 2.50	D	µg/l	2.50	2.08	5	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.50	D	µg/l	2.50	1.38	5	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	60.8	D	µg/l	2.50	1.78	5	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	26.2	D	µg/l	2.50	1.28	5	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.50	D	µg/l	2.50	2.38	5	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2.50	D	µg/l	2.50	1.44	5	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 2.50	D	µg/l	2.50	1.64	5	"	"	"	"	"	X
74-95-3	Dibromomethane	< 2.50	D	µg/l	2.50	1.95	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.50	D	µg/l	2.50	1.20	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2.50	D	µg/l	2.50	1.26	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.50	D	µg/l	2.50	1.58	5	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.50	D	µg/l	2.50	2.19	5	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 2.50	D	µg/l	2.50	1.82	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 2.50	D	µg/l	2.50	1.98	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2.50	D	µg/l	2.50	2.44	5	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.50	D	µg/l	2.50	2.01	5	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2.50	D	µg/l	2.50	1.48	5	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2.50	D	µg/l	2.50	2.04	5	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 2.50	D	µg/l	2.50	1.49	5	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 2.50	D	µg/l	2.50	2.50	5	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 2.50	D	µg/l	2.50	2.24	5	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	1.82	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	1.82	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 2.50	D	µg/l	2.50	1.26	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.50	D	µg/l	2.50	2.44	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 50.0	D	µg/l	50.0	1.99	5	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 2.50	D	µg/l	2.50	1.40	5	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 2.50	D	µg/l	2.50	1.20	5	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.50	D	µg/l	2.50	1.80	5	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 50.0	D	µg/l	50.0	2.78	5	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.50	D	µg/l	2.50	2.36	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.50	D	µg/l	2.50	1.35	5	"	"	"	"	"	X

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Sample Identification

619 Rt 109

SB80492-08

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 11:35

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Purgeable Organic Compounds													
GS1													
Prepared by method SW846 5030 Water MS													
103-65-1	n-Propylbenzene	< 2.50	D	µg/l	2.50	1.26	5	EPA 524.2	20-Nov-13	20-Nov-13	SJB	1328231	X
100-42-5	Styrene	< 2.50	D	µg/l	2.50	1.12	5	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 2.50	D	µg/l	2.50	2.18	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.50	D	µg/l	2.50	1.21	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.50	D	µg/l	2.50	2.00	5	"	"	"	"	"	X
108-88-3	Toluene	< 2.50	D	µg/l	2.50	2.23	5	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 2.50	D	µg/l	2.50	1.26	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 2.50	D	µg/l	2.50	1.76	5	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2.50	D	µg/l	2.50	2.30	5	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 2.50	D	µg/l	2.50	1.89	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 2.50	D	µg/l	2.50	2.11	5	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 2.50	D	µg/l	2.50	1.84	5	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 2.50	D	µg/l	2.50	1.03	5	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 2.50	D	µg/l	2.50	1.44	5	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 2.50	D	µg/l	2.50	1.14	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2.50	D	µg/l	2.50	1.80	5	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.50	D	µg/l	2.50	2.50	5	"	"	"	"	"	X
95-47-6	o-Xylene	< 2.50	D	µg/l	2.50	1.08	5	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.0	D	µg/l	10.0	5.23	5	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 2.50	D	µg/l	2.50	1.89	5	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 2.50	D	µg/l	2.50	1.92	5	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 2.50	D	µg/l	2.50	1.78	5	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 50.0	D	µg/l	50.0	21.3	5	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	92	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	103	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	80-120 %	"	"	"	"	"

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Sample Identification

634 Rt 109

SB80492-09

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	1.48		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	0.66		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification634 Rt 109
SB80492-09

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	90	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	99	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	104	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	80-120 %	"	"	"	"	"

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Sample Identification738 Rt 109
SB80492-10

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:30

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	1.67		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	0.62		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification738 Rt 109
SB80492-10

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:30

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.		
Volatile Organic Compounds															
Purgeable Organic Compounds															
Prepared by method SW846 5030 Water MS															
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X		
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X		
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X		
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"			
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X		
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X		
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X		
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X		
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X		
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X		
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X		
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X		
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X		
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X		
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X		
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X		
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X		
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X		
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X		
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X		
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X		
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X		
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X		
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X		
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"			
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"			
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"			
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"			
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"			
Surrogate recoveries:															
460-00-4	4-Bromofluorobenzene	94			80-120 %			"	"	"	"	"			
2037-26-5	Toluene-d8	99			80-120 %			"	"	"	"	"			
17060-07-0	1,2-Dichloroethane-d4	106			80-120 %			"	"	"	"	"			
1868-53-7	Dibromofluoromethane	102			80-120 %			"	"	"	"	"			
Extractable Petroleum Hydrocarbons															
Fingerprinting by GC															
Prepared by method SW846 3510C															
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.2	1	SW846 8100Mod.	19-Nov-13	26-Nov-13	SEP	1328088			
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"			
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
8032-32-4	Ligroin	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"			

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Sample Identification

738 Rt 109

SB80492-10

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:30

Received

15-Nov-13

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	* <u>RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Extractable Petroleum Hydrocarbons													
<u>Fingerprinting by GC</u>													
<u>Prepared by method SW846 3510C</u>													
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	SW846 8100Mod.	19-Nov-13	26-Nov-13	SEP	1328088	
	Hydraulic Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"
	Dielectric Fluid	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	"
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	"
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"

Surrogate recoveries:

3386-33-2	1-Chlorooctadecane	88	40-140 %	"	"	"	"	"	"	"	"	"	"
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Sample Identification756 Rt 109
SB80492-11Client Project #
08-221182.00Matrix
Drinking WaterCollection Date/Time
14-Nov-13 12:22Received
15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	0.96		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification756 Rt 109
SB80492-11Client Project #
08-221182.00Matrix
Drinking WaterCollection Date/Time
14-Nov-13 12:22Received
15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	90	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	103	80-120 %	"	"	"	"	"

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Sample Identification

40 Fox Hill Rd

SB80492-12

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

40 Fox Hill Rd

SB80492-12

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:00

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	99	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	105	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	104	80-120 %	"	"	"	"	"

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Sample Identification

793 Rt 109

SB80492-13

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:35

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	1.09		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification793 Rt 109
SB80492-13Client Project #
08-221182.00Matrix
Drinking WaterCollection Date/Time
14-Nov-13 12:35Received
15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	95	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	105	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	80-120 %	"	"	"	"	"

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Sample Identification

790 Rt 109

SB80492-14

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:45

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

790 Rt 109

SB80492-14

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 12:45

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	90	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	101	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	105	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	80-120 %	"	"	"	"	"

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Sample Identification

814 Rt 109

SB80492-15

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 10:29

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification814 Rt 109
SB80492-15Client Project #
08-221182.00Matrix
Drinking WaterCollection Date/Time
14-Nov-13 10:29Received
15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	19-Nov-13	19-Nov-13	SJB	1328111	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	103	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	109	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Sample Identification

Hydrant

SB80492-16

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	21-Nov-13	21-Nov-13	SJB	1328359	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample Identification

Hydrant

SB80492-16

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.		
Volatile Organic Compounds															
Purgeable Organic Compounds															
Prepared by method SW846 5030 Water MS															
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	21-Nov-13	21-Nov-13	SJB	1328359	X		
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X		
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X		
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"			
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X		
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X		
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X		
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X		
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X		
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X		
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X		
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X		
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X		
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X		
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X		
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X		
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X		
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X		
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X		
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X		
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X		
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X		
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X		
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X		
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"			
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"			
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"			
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"			
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"			
Surrogate recoveries:															
460-00-4	4-Bromofluorobenzene	93			80-120 %			"	"	"	"	"			
2037-26-5	Toluene-d8	102			80-120 %			"	"	"	"	"			
17060-07-0	1,2-Dichloroethane-d4	107			80-120 %			"	"	"	"	"			
1868-53-7	Dibromofluoromethane	105			80-120 %			"	"	"	"	"			
Extractable Petroleum Hydrocarbons															
Fingerprinting by GC															
Prepared by method SW846 3510C															
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.2	1	SW846 8100Mod.	19-Nov-13	21-Nov-13	SEP	1328088			
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"			
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"			
8032-32-4	Ligroin	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"			

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Sample Identification

Hydrant

SB80492-16

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:10

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
<u>Fingerprinting by GC</u>													
<u>Prepared by method SW846 3510C</u>													
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	SW846 8100Mod.	19-Nov-13	21-Nov-13	SEP	1328088	
	Hydraulic Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"
	Dielectric Fluid	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	"
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	"
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	"

Surrogate recoveries:

3386-33-2	1-Chlorooctadecane	109	40-140 %	"	"	"	"	"	"
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Sample Identification

Source

SB80492-17

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:30

Received

15-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50	0.47	1	EPA 524.2	21-Nov-13	21-Nov-13	SJB	1328359	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	"
71-43-2	Benzene	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	0.86	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.50		µg/l	0.50	0.28	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.50		µg/l	0.50	0.26	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.50		µg/l	0.50	0.39	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.50		µg/l	0.50	0.41	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.40	1	"	"	"	"	"	

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Sample IdentificationSource

SB80492-17

Client Project #

08-221182.00

Matrix

Drinking Water

Collection Date/Time

14-Nov-13 13:30

Received

15-Nov-13

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
Purgeable Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.50		µg/l	0.50	0.28	1	EPA 524.2	21-Nov-13	21-Nov-13	SJB	1328359	X
99-87-6	4-Isopropyltoluene	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.56	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.50		µg/l	0.50	0.27	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.44	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.24	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.50		µg/l	0.50	0.40	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.50		µg/l	0.50	0.21	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.50		µg/l	0.50	0.22	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.05	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 0.50		µg/l	0.50	0.38	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	4.27	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	90	80-120 %	"	"	"	"	"
2037-26-5	Toluene-d8	103	80-120 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	107	80-120 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	105	80-120 %	"	"	"	"	"

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328111 - SW846 5030 Water MS										
<u>Blank (1328111-BLK1)</u>										
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l	0.50						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 0.50		µg/l	0.50						
Bromobenzene	< 0.50		µg/l	0.50						
Bromochloromethane	< 0.50		µg/l	0.50						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 0.50		µg/l	0.50						
Bromomethane	< 0.50		µg/l	0.50						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 0.50		µg/l	0.50						
sec-Butylbenzene	< 0.50		µg/l	0.50						
tert-Butylbenzene	< 0.50		µg/l	0.50						
Carbon disulfide	< 0.50		µg/l	0.50						
Carbon tetrachloride	< 0.50		µg/l	0.50						
Chlorobenzene	< 0.50		µg/l	0.50						
Chloroethane	< 0.50		µg/l	0.50						
Chloroform	< 0.50		µg/l	0.50						
Chloromethane	< 0.50		µg/l	0.50						
2-Chlorotoluene	< 0.50		µg/l	0.50						
4-Chlorotoluene	< 0.50		µg/l	0.50						
1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 0.50		µg/l	0.50						
1,2-Dichlorobenzene	< 0.50		µg/l	0.50						
1,3-Dichlorobenzene	< 0.50		µg/l	0.50						
1,4-Dichlorobenzene	< 0.50		µg/l	0.50						
Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50						
1,1-Dichloroethane	< 0.50		µg/l	0.50						
1,2-Dichloroethane	< 0.50		µg/l	0.50						
1,1-Dichloroethene	< 0.50		µg/l	0.50						
cis-1,2-Dichloroethene	< 0.50		µg/l	0.50						
trans-1,2-Dichloroethene	< 0.50		µg/l	0.50						
1,2-Dichloropropane	< 0.50		µg/l	0.50						
1,3-Dichloropropane	< 0.50		µg/l	0.50						
2,2-Dichloropropane	< 0.50		µg/l	0.50						
1,1-Dichloropropene	< 0.50		µg/l	0.50						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 0.50		µg/l	0.50						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 0.50		µg/l	0.50						
4-Isopropyltoluene	< 0.50		µg/l	0.50						
Methyl tert-butyl ether	< 0.50		µg/l	0.50						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 0.50		µg/l	0.50						
Naphthalene	< 0.50		µg/l	0.50						
n-Propylbenzene	< 0.50		µg/l	0.50						
Styrene	< 0.50		µg/l	0.50						
1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328111 - SW846 5030 Water MS										
<u>Blank (1328111-BLK1)</u>										
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 0.50		µg/l	0.50						
Toluene	< 0.50		µg/l	0.50						
1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50						
1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50						
1,1,1-Trichloroethane	< 0.50		µg/l	0.50						
1,1,2-Trichloroethane	< 0.50		µg/l	0.50						
Trichloroethene	< 0.50		µg/l	0.50						
Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50						
1,2,3-Trichloropropane	< 0.50		µg/l	0.50						
1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50						
1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50						
Vinyl chloride	< 0.50		µg/l	0.50						
m,p-Xylene	< 0.50		µg/l	0.50						
o-Xylene	< 0.50		µg/l	0.50						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Tert-amyl methyl ether	< 0.50		µg/l	0.50						
Ethyl tert-butyl ether	< 0.50		µg/l	0.50						
Di-isopropyl ether	< 0.50		µg/l	0.50						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
Surrogate: 4-Bromofluorobenzene	45.5		µg/l	50.0		91		80-120		
Surrogate: Toluene-d8	50.6		µg/l	50.0		101		80-120		
Surrogate: 1,2-Dichloroethane-d4	53.7		µg/l	50.0		107		80-120		
Surrogate: Dibromofluoromethane	52.2		µg/l	50.0		104		80-120		
<u>LCS (1328111-BS1)</u>										
Prepared & Analyzed: 19-Nov-13										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/l	20.0		95		80-120		
Acetone	19.2		µg/l	20.0		96		70-130		
Acrylonitrile	19.4		µg/l	20.0		97		70-130		
Benzene	20.3		µg/l	20.0		101		80-120		
Bromobenzene	19.7		µg/l	20.0		98		80-120		
Bromoform	19.7		µg/l	20.0		99		80-120		
Bromochloromethane	20.9		µg/l	20.0		105		80-120		
Bromoform	20.0		µg/l	20.0		100		80-120		
Bromomethane	18.2		µg/l	20.0		91		80-120		
2-Butanone (MEK)	18.0		µg/l	20.0		90		70-130		
n-Butylbenzene	17.6		µg/l	20.0		88		80-120		
sec-Butylbenzene	18.8		µg/l	20.0		94		80-120		
tert-Butylbenzene	21.2		µg/l	20.0		106		80-120		
Carbon disulfide	19.0		µg/l	20.0		95		70-130		
Carbon tetrachloride	20.8		µg/l	20.0		104		80-120		
Chlorobenzene	19.6		µg/l	20.0		98		80-120		
Chloroethane	17.8		µg/l	20.0		89		80-120		
Chloroform	19.9		µg/l	20.0		99		80-120		
Chloromethane	19.4		µg/l	20.0		97		80-120		
2-Chlorotoluene	20.8		µg/l	20.0		104		80-120		
4-Chlorotoluene	21.0		µg/l	20.0		105		80-120		
1,2-Dibromo-3-chloropropane	18.7		µg/l	20.0		94		80-120		
Dibromochloromethane	21.9		µg/l	20.0		110		80-120		
1,2-Dibromoethane (EDB)	20.8		µg/l	20.0		104		80-120		
Dibromomethane	19.2		µg/l	20.0		96		80-120		
1,2-Dichlorobenzene	19.5		µg/l	20.0		98		80-120		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328111 - SW846 5030 Water MS										
<u>LCS (1328111-BS1)</u>										
<u>Prepared & Analyzed: 19-Nov-13</u>										
1,3-Dichlorobenzene	21.0		µg/l		20.0	105	80-120			
1,4-Dichlorobenzene	18.0		µg/l		20.0	90	80-120			
Dichlorodifluoromethane (Freon12)	19.6		µg/l		20.0	98	80-120			
1,1-Dichloroethane	18.4		µg/l		20.0	92	80-120			
1,2-Dichloroethane	19.2		µg/l		20.0	96	80-120			
1,1-Dichloroethene	18.7		µg/l		20.0	93	80-120			
cis-1,2-Dichloroethene	19.5		µg/l		20.0	98	80-120			
trans-1,2-Dichloroethene	18.7		µg/l		20.0	93	80-120			
1,2-Dichloropropane	20.4		µg/l		20.0	102	80-120			
1,3-Dichloropropane	19.5		µg/l		20.0	97	80-120			
2,2-Dichloropropane	20.9		µg/l		20.0	104	80-120			
1,1-Dichloropropene	20.1		µg/l		20.0	101	80-120			
cis-1,3-Dichloropropene	20.9		µg/l		20.0	104	80-120			
trans-1,3-Dichloropropene	20.2		µg/l		20.0	101	80-120			
Ethylbenzene	20.4		µg/l		20.0	102	80-120			
Hexachlorobutadiene	21.5		µg/l		20.0	107	80-120			
2-Hexanone (MBK)	17.6		µg/l		20.0	88	70-130			
Isopropylbenzene	20.1		µg/l		20.0	100	80-120			
4-Isopropyltoluene	18.4		µg/l		20.0	92	80-120			
Methyl tert-butyl ether	18.4		µg/l		20.0	92	80-120			
4-Methyl-2-pentanone (MIBK)	19.2		µg/l		20.0	96	70-130			
Methylene chloride	19.4		µg/l		20.0	97	80-120			
Naphthalene	17.9		µg/l		20.0	90	80-120			
n-Propylbenzene	21.2		µg/l		20.0	106	80-120			
Styrene	19.5		µg/l		20.0	97	80-120			
1,1,1,2-Tetrachloroethane	20.8		µg/l		20.0	104	80-120			
1,1,2,2-Tetrachloroethane	19.6		µg/l		20.0	98	80-120			
Tetrachloroethene	19.7		µg/l		20.0	98	80-120			
Toluene	19.7		µg/l		20.0	98	80-120			
1,2,3-Trichlorobenzene	17.9		µg/l		20.0	89	80-120			
1,2,4-Trichlorobenzene	18.0		µg/l		20.0	90	80-120			
1,1,1-Trichloroethane	19.8		µg/l		20.0	99	80-120			
1,1,2-Trichloroethane	19.8		µg/l		20.0	99	80-120			
Trichloroethene	19.6		µg/l		20.0	98	80-120			
Trichlorofluoromethane (Freon 11)	19.5		µg/l		20.0	97	80-120			
1,2,3-Trichloropropane	19.6		µg/l		20.0	98	80-120			
1,2,4-Trimethylbenzene	18.1		µg/l		20.0	90	80-120			
1,3,5-Trimethylbenzene	18.6		µg/l		20.0	93	80-120			
Vinyl chloride	18.9		µg/l		20.0	95	80-120			
m,p-Xylene	42.3		µg/l		40.0	106	80-120			
o-Xylene	20.6		µg/l		20.0	103	80-120			
Tetrahydrofuran	19.1		µg/l		20.0	95	70-130			
Tert-amyl methyl ether	20.8		µg/l		20.0	104	70-130			
Ethyl tert-butyl ether	20.0		µg/l		20.0	100	70-130			
Di-isopropyl ether	20.2		µg/l		20.0	101	70-130			
Tert-Butanol / butyl alcohol	177		µg/l		200	88	70-130			
Surrogate: 4-Bromofluorobenzene	50.9		µg/l		50.0	102	80-120			
Surrogate: Toluene-d8	50.3		µg/l		50.0	101	80-120			
Surrogate: 1,2-Dichloroethane-d4	50.5		µg/l		50.0	101	80-120			
Surrogate: Dibromofluoromethane	50.5		µg/l		50.0	101	80-120			
Matrix Spike (1328111-MS1)						Source: SB80492-02				
							Prepared & Analyzed: 19-Nov-13			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328111 - SW846 5030 Water MS										
<u>Matrix Spike (1328111-MS1)</u>										
Benzene	20.3	D	µg/l		20.0	BRL	101	80-120		
Chlorobenzene	19.7	D	µg/l		20.0	BRL	99	80-120		
1,1-Dichloroethene	19.7	D	µg/l		20.0	BRL	98	80-120		
Toluene	20.0	D	µg/l		20.0	BRL	100	80-120		
Trichloroethene	20.0	D	µg/l		20.0	BRL	100	80-120		
Surrogate: 4-Bromofluorobenzene	52.2		µg/l		50.0		104	80-120		
Surrogate: Toluene-d8	50.1		µg/l		50.0		100	80-120		
Surrogate: 1,2-Dichloroethane-d4	49.8		µg/l		50.0		100	80-120		
Surrogate: Dibromofluoromethane	50.2		µg/l		50.0		100	80-120		
<u>Matrix Spike Dup (1328111-MSD1)</u>										
Benzene	20.2	D	µg/l		20.0	BRL	101	80-120	0.2	20
Chlorobenzene	19.4	D	µg/l		20.0	BRL	97	80-120	2	20
1,1-Dichloroethene	19.3	D	µg/l		20.0	BRL	97	80-120	2	20
Toluene	19.8	D	µg/l		20.0	BRL	99	80-120	0.8	20
Trichloroethene	19.8	D	µg/l		20.0	BRL	99	80-120	1	20
Surrogate: 4-Bromofluorobenzene	49.8		µg/l		50.0		100	80-120		
Surrogate: Toluene-d8	49.4		µg/l		50.0		99	80-120		
Surrogate: 1,2-Dichloroethane-d4	49.6		µg/l		50.0		99	80-120		
Surrogate: Dibromofluoromethane	49.9		µg/l		50.0		100	80-120		
Batch 1328231 - SW846 5030 Water MS										
<u>Blank (1328231-BLK1)</u>										
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l		0.50				<u>Prepared & Analyzed: 20-Nov-13</u>	
Acetone	< 10.0		µg/l		10.0					
Acrylonitrile	< 0.50		µg/l		0.50					
Benzene	< 0.50		µg/l		0.50					
Bromobenzene	< 0.50		µg/l		0.50					
Bromochloromethane	< 0.50		µg/l		0.50					
Bromodichloromethane	< 0.50		µg/l		0.50					
Bromoform	< 0.50		µg/l		0.50					
Bromomethane	< 0.50		µg/l		0.50					
2-Butanone (MEK)	< 10.0		µg/l		10.0					
n-Butylbenzene	< 0.50		µg/l		0.50					
sec-Butylbenzene	< 0.50		µg/l		0.50					
tert-Butylbenzene	< 0.50		µg/l		0.50					
Carbon disulfide	< 0.50		µg/l		0.50					
Carbon tetrachloride	< 0.50		µg/l		0.50					
Chlorobenzene	< 0.50		µg/l		0.50					
Chloroethane	< 0.50		µg/l		0.50					
Chloroform	< 0.50		µg/l		0.50					
Chloromethane	< 0.50		µg/l		0.50					
2-Chlorotoluene	< 0.50		µg/l		0.50					
4-Chlorotoluene	< 0.50		µg/l		0.50					
1,2-Dibromo-3-chloropropane	< 0.50		µg/l		0.50					
Dibromochloromethane	< 0.50		µg/l		0.50					
1,2-Dibromoethane (EDB)	< 0.50		µg/l		0.50					
Dibromomethane	< 0.50		µg/l		0.50					
1,2-Dichlorobenzene	< 0.50		µg/l		0.50					
1,3-Dichlorobenzene	< 0.50		µg/l		0.50					
1,4-Dichlorobenzene	< 0.50		µg/l		0.50					
Dichlorodifluoromethane (Freon12)	< 0.50		µg/l		0.50					
1,1-Dichloroethane	< 0.50		µg/l		0.50					

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328231 - SW846 5030 Water MS										
<u>Blank (1328231-BLK1)</u>										
1,2-Dichloroethane	< 0.50		µg/l	0.50						
1,1-Dichloroethene	< 0.50		µg/l	0.50						
cis-1,2-Dichloroethene	< 0.50		µg/l	0.50						
trans-1,2-Dichloroethene	< 0.50		µg/l	0.50						
1,2-Dichloropropane	< 0.50		µg/l	0.50						
1,3-Dichloropropane	< 0.50		µg/l	0.50						
2,2-Dichloropropane	< 0.50		µg/l	0.50						
1,1-Dichloropropene	< 0.50		µg/l	0.50						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 0.50		µg/l	0.50						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 0.50		µg/l	0.50						
4-Isopropyltoluene	< 0.50		µg/l	0.50						
Methyl tert-butyl ether	< 0.50		µg/l	0.50						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 0.50		µg/l	0.50						
Naphthalene	< 0.50		µg/l	0.50						
n-Propylbenzene	< 0.50		µg/l	0.50						
Styrene	< 0.50		µg/l	0.50						
1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 0.50		µg/l	0.50						
Toluene	< 0.50		µg/l	0.50						
1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50						
1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50						
1,1,1-Trichloroethane	< 0.50		µg/l	0.50						
1,1,2-Trichloroethane	< 0.50		µg/l	0.50						
Trichloroethene	< 0.50		µg/l	0.50						
Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50						
1,2,3-Trichloropropane	< 0.50		µg/l	0.50						
1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50						
1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50						
Vinyl chloride	< 0.50		µg/l	0.50						
m,p-Xylene	< 0.50		µg/l	0.50						
o-Xylene	< 0.50		µg/l	0.50						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Tert-amyl methyl ether	< 0.50		µg/l	0.50						
Ethyl tert-butyl ether	< 0.50		µg/l	0.50						
Di-isopropyl ether	< 0.50		µg/l	0.50						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
Surrogate: 4-Bromofluorobenzene	45.9		µg/l	50.0		92		80-120		
Surrogate: Toluene-d8	51.1		µg/l	50.0		102		80-120		
Surrogate: 1,2-Dichloroethane-d4	54.3		µg/l	50.0		109		80-120		
Surrogate: Dibromofluoromethane	52.3		µg/l	50.0		105		80-120		
<u>LCS (1328231-BS1)</u>										
Prepared & Analyzed: 20-Nov-13										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/l	20.0		95		80-120		
Acetone	19.2		µg/l	20.0		96		70-130		
Acrylonitrile	18.9		µg/l	20.0		94		70-130		
Benzene	19.8		µg/l	20.0		99		80-120		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328231 - SW846 5030 Water MS										
<u>LCS (1328231-BS1)</u>										
<u>Prepared & Analyzed: 20-Nov-13</u>										
Bromobenzene	19.1		µg/l		20.0	96	80-120			
Bromoform	18.6		µg/l		20.0	93	80-120			
Bromochloromethane	19.7		µg/l		20.0	98	80-120			
Bromodichloromethane	19.1		µg/l		20.0	96	80-120			
Bromomethane	20.0		µg/l		20.0	100	80-120			
2-Butanone (MEK)	18.3		µg/l		20.0	92	70-130			
n-Butylbenzene	17.5		µg/l		20.0	88	80-120			
sec-Butylbenzene	19.2		µg/l		20.0	96	80-120			
tert-Butylbenzene	21.8		µg/l		20.0	109	80-120			
Carbon disulfide	19.1		µg/l		20.0	95	70-130			
Carbon tetrachloride	21.0		µg/l		20.0	105	80-120			
Chlorobenzene	18.9		µg/l		20.0	94	80-120			
Chloroethane	17.5		µg/l		20.0	88	80-120			
Chloroform	19.3		µg/l		20.0	97	80-120			
Chloromethane	20.2		µg/l		20.0	101	80-120			
2-Chlorotoluene	19.8		µg/l		20.0	99	80-120			
4-Chlorotoluene	20.8		µg/l		20.0	104	80-120			
1,2-Dibromo-3-chloropropane	18.4		µg/l		20.0	92	80-120			
Dibromochloromethane	20.7		µg/l		20.0	104	80-120			
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0	98	80-120			
Dibromomethane	19.5		µg/l		20.0	98	80-120			
1,2-Dichlorobenzene	18.8		µg/l		20.0	94	80-120			
1,3-Dichlorobenzene	20.7		µg/l		20.0	103	80-120			
1,4-Dichlorobenzene	17.7		µg/l		20.0	88	80-120			
Dichlorodifluoromethane (Freon12)	21.6		µg/l		20.0	108	80-120			
1,1-Dichloroethane	18.1		µg/l		20.0	91	80-120			
1,2-Dichloroethane	18.8		µg/l		20.0	94	80-120			
1,1-Dichloroethene	18.7		µg/l		20.0	93	80-120			
cis-1,2-Dichloroethene	18.8		µg/l		20.0	94	80-120			
trans-1,2-Dichloroethene	18.2		µg/l		20.0	91	80-120			
1,2-Dichloropropane	19.5		µg/l		20.0	97	80-120			
1,3-Dichloropropane	19.1		µg/l		20.0	96	80-120			
2,2-Dichloropropane	19.4		µg/l		20.0	97	80-120			
1,1-Dichloropropene	19.5		µg/l		20.0	97	80-120			
cis-1,3-Dichloropropene	20.2		µg/l		20.0	101	80-120			
trans-1,3-Dichloropropene	18.6		µg/l		20.0	93	80-120			
Ethylbenzene	20.1		µg/l		20.0	101	80-120			
Hexachlorobutadiene	21.2		µg/l		20.0	106	80-120			
2-Hexanone (MBK)	17.6		µg/l		20.0	88	70-130			
Isopropylbenzene	20.4		µg/l		20.0	102	80-120			
4-Isopropyltoluene	18.4		µg/l		20.0	92	80-120			
Methyl tert-butyl ether	17.2		µg/l		20.0	86	80-120			
4-Methyl-2-pentanone (MIBK)	18.4		µg/l		20.0	92	70-130			
Methylene chloride	19.2		µg/l		20.0	96	80-120			
Naphthalene	16.9		µg/l		20.0	85	80-120			
n-Propylbenzene	21.4		µg/l		20.0	107	80-120			
Styrene	19.2		µg/l		20.0	96	80-120			
1,1,1,2-Tetrachloroethane	19.7		µg/l		20.0	98	80-120			
1,1,2,2-Tetrachloroethane	19.3		µg/l		20.0	96	80-120			
Tetrachloroethene	19.3		µg/l		20.0	97	80-120			
Toluene	19.5		µg/l		20.0	97	80-120			
1,2,3-Trichlorobenzene	17.9		µg/l		20.0	89	80-120			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Batch 1328231 - SW846 5030 Water MS											
<u>LCS (1328231-BS1)</u>											
						Prepared & Analyzed: 20-Nov-13					
1,2,4-Trichlorobenzene	18.5		µg/l		20.0	93	80-120				
1,1,1-Trichloroethane	19.7		µg/l		20.0	98	80-120				
1,1,2-Trichloroethane	19.1		µg/l		20.0	96	80-120				
Trichloroethene	18.4		µg/l		20.0	92	80-120				
Trichlorofluoromethane (Freon 11)	19.7		µg/l		20.0	99	80-120				
1,2,3-Trichloropropane	18.8		µg/l		20.0	94	80-120				
1,2,4-Trimethylbenzene	17.2		µg/l		20.0	86	80-120				
1,3,5-Trimethylbenzene	18.1		µg/l		20.0	90	80-120				
Vinyl chloride	19.8		µg/l		20.0	99	80-120				
m,p-Xylene	42.1		µg/l		40.0	105	80-120				
o-Xylene	20.2		µg/l		20.0	101	80-120				
Tetrahydrofuran	20.1		µg/l		20.0	100	70-130				
Tert-amyl methyl ether	20.3		µg/l		20.0	101	70-130				
Ethyl tert-butyl ether	18.7		µg/l		20.0	93	70-130				
Di-isopropyl ether	19.6		µg/l		20.0	98	70-130				
Tert-Butanol / butyl alcohol	170		µg/l		200	85	70-130				
Surrogate: 4-Bromofluorobenzene	51.8		µg/l		50.0	104	80-120				
Surrogate: Toluene-d8	49.6		µg/l		50.0	99	80-120				
Surrogate: 1,2-Dichloroethane-d4	49.5		µg/l		50.0	99	80-120				
Surrogate: Dibromofluoromethane	50.0		µg/l		50.0	100	80-120				
<u>Matrix Spike (1328231-MS1)</u>											
					<u>Source: SB80492-08RE1</u>		Prepared & Analyzed: 20-Nov-13				
Benzene	21.1	D	µg/l		20.0	0.56	103	80-120			
Chlorobenzene	20.0	D	µg/l		20.0	BRL	100	80-120			
1,1-Dichloroethene	19.7	D	µg/l		20.0	BRL	98	80-120			
Toluene	20.3	D	µg/l		20.0	BRL	102	80-120			
Trichloroethene	19.6	D	µg/l		20.0	BRL	98	80-120			
Surrogate: 4-Bromofluorobenzene	51.0		µg/l		50.0	102	80-120				
Surrogate: Toluene-d8	50.1		µg/l		50.0	100	80-120				
Surrogate: 1,2-Dichloroethane-d4	49.9		µg/l		50.0	100	80-120				
Surrogate: Dibromofluoromethane	49.9		µg/l		50.0	100	80-120				
<u>Matrix Spike Dup (1328231-MSD1)</u>											
					<u>Source: SB80492-08RE1</u>		Prepared & Analyzed: 20-Nov-13				
Benzene	21.2	D	µg/l		20.0	0.56	103	80-120	0.4	20	
Chlorobenzene	19.6	D	µg/l		20.0	BRL	98	80-120	2	20	
1,1-Dichloroethene	19.1	D	µg/l		20.0	BRL	95	80-120	3	20	
Toluene	20.1	D	µg/l		20.0	BRL	101	80-120	0.9	20	
Trichloroethene	20.2	D	µg/l		20.0	BRL	101	80-120	3	20	
Surrogate: 4-Bromofluorobenzene	51.6		µg/l		50.0	103	80-120				
Surrogate: Toluene-d8	49.2		µg/l		50.0	98	80-120				
Surrogate: 1,2-Dichloroethane-d4	49.4		µg/l		50.0	99	80-120				
Surrogate: Dibromofluoromethane	50.0		µg/l		50.0	100	80-120				
Batch 1328359 - SW846 5030 Water MS											
<u>Blank (1328359-BLK1)</u>											
						Prepared & Analyzed: 21-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.50		µg/l		0.50						
Acetone	< 10.0		µg/l		10.0						
Acrylonitrile	< 0.50		µg/l		0.50						
Benzene	< 0.50		µg/l		0.50						
Bromobenzene	< 0.50		µg/l		0.50						
Bromochloromethane	< 0.50		µg/l		0.50						
Bromodichloromethane	< 0.50		µg/l		0.50						
Bromoform	< 0.50		µg/l		0.50						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328359 - SW846 5030 Water MS										
<u>Blank (1328359-BLK1)</u>										
Bromomethane	< 0.50		µg/l	0.50						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 0.50		µg/l	0.50						
sec-Butylbenzene	< 0.50		µg/l	0.50						
tert-Butylbenzene	< 0.50		µg/l	0.50						
Carbon disulfide	< 0.50		µg/l	0.50						
Carbon tetrachloride	< 0.50		µg/l	0.50						
Chlorobenzene	< 0.50		µg/l	0.50						
Chloroethane	< 0.50		µg/l	0.50						
Chloroform	< 0.50		µg/l	0.50						
Chloromethane	< 0.50		µg/l	0.50						
2-Chlorotoluene	< 0.50		µg/l	0.50						
4-Chlorotoluene	< 0.50		µg/l	0.50						
1,2-Dibromo-3-chloropropane	< 0.50		µg/l	0.50						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 0.50		µg/l	0.50						
1,2-Dichlorobenzene	< 0.50		µg/l	0.50						
1,3-Dichlorobenzene	< 0.50		µg/l	0.50						
1,4-Dichlorobenzene	< 0.50		µg/l	0.50						
Dichlorodifluoromethane (Freon12)	< 0.50		µg/l	0.50						
1,1-Dichloroethane	< 0.50		µg/l	0.50						
1,2-Dichloroethane	< 0.50		µg/l	0.50						
1,1-Dichloroethene	< 0.50		µg/l	0.50						
cis-1,2-Dichloroethene	< 0.50		µg/l	0.50						
trans-1,2-Dichloroethene	< 0.50		µg/l	0.50						
1,2-Dichloropropane	< 0.50		µg/l	0.50						
1,3-Dichloropropane	< 0.50		µg/l	0.50						
2,2-Dichloropropane	< 0.50		µg/l	0.50						
1,1-Dichloropropene	< 0.50		µg/l	0.50						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 0.50		µg/l	0.50						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 0.50		µg/l	0.50						
4-Isopropyltoluene	< 0.50		µg/l	0.50						
Methyl tert-butyl ether	< 0.50		µg/l	0.50						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 0.50		µg/l	0.50						
Naphthalene	< 0.50		µg/l	0.50						
n-Propylbenzene	< 0.50		µg/l	0.50						
Styrene	< 0.50		µg/l	0.50						
1,1,1,2-Tetrachloroethane	< 0.50		µg/l	0.50						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 0.50		µg/l	0.50						
Toluene	< 0.50		µg/l	0.50						
1,2,3-Trichlorobenzene	< 0.50		µg/l	0.50						
1,2,4-Trichlorobenzene	< 0.50		µg/l	0.50						
1,1,1-Trichloroethane	< 0.50		µg/l	0.50						
1,1,2-Trichloroethane	< 0.50		µg/l	0.50						
Trichloroethene	< 0.50		µg/l	0.50						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328359 - SW846 5030 Water MS										
<u>Blank (1328359-BLK1)</u>										
Trichlorofluoromethane (Freon 11)	< 0.50		µg/l	0.50						
1,2,3-Trichloropropane	< 0.50		µg/l	0.50						
1,2,4-Trimethylbenzene	< 0.50		µg/l	0.50						
1,3,5-Trimethylbenzene	< 0.50		µg/l	0.50						
Vinyl chloride	< 0.50		µg/l	0.50						
m,p-Xylene	< 0.50		µg/l	0.50						
o-Xylene	< 0.50		µg/l	0.50						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Tert-amyl methyl ether	< 0.50		µg/l	0.50						
Ethyl tert-butyl ether	< 0.50		µg/l	0.50						
Di-isopropyl ether	< 0.50		µg/l	0.50						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
<u>Surrogate: 4-Bromofluorobenzene</u>										
Surrogate: Toluene-d8	45.6		µg/l	50.0		91		80-120		
Surrogate: 1,2-Dichloroethane-d4	50.8		µg/l	50.0		102		80-120		
Surrogate: Dibromofluoromethane	54.5		µg/l	50.0		109		80-120		
<u>LCS (1328359-BS1)</u>										
Prepared & Analyzed: 21-Nov-13										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.8		µg/l	20.0		94		80-120		
Acetone	19.7		µg/l	20.0		98		70-130		
Acrylonitrile	19.8		µg/l	20.0		99		70-130		
Benzene	20.8		µg/l	20.0		104		80-120		
Bromobenzene	19.4		µg/l	20.0		97		80-120		
Bromoform	19.3		µg/l	20.0		96		80-120		
Bromochloromethane	20.4		µg/l	20.0		102		80-120		
Bromodichloromethane	19.6		µg/l	20.0		98		80-120		
Bromoform	19.2		µg/l	20.0		96		80-120		
2-Butanone (MEK)	19.6		µg/l	20.0		98		70-130		
n-Butylbenzene	18.0		µg/l	20.0		90		80-120		
sec-Butylbenzene	19.7		µg/l	20.0		99		80-120		
tert-Butylbenzene	21.7		µg/l	20.0		108		80-120		
Carbon disulfide	19.7		µg/l	20.0		98		70-130		
Carbon tetrachloride	21.6		µg/l	20.0		108		80-120		
Chlorobenzene	19.3		µg/l	20.0		97		80-120		
Chloroethane	18.4		µg/l	20.0		92		80-120		
Chloroform	20.2		µg/l	20.0		101		80-120		
Chloromethane	21.4		µg/l	20.0		107		80-120		
2-Chlorotoluene	20.7		µg/l	20.0		104		80-120		
4-Chlorotoluene	21.0		µg/l	20.0		105		80-120		
1,2-Dibromo-3-chloropropane	18.4		µg/l	20.0		92		80-120		
Dibromochloromethane	21.9		µg/l	20.0		110		80-120		
1,2-Dibromoethane (EDB)	21.1		µg/l	20.0		105		80-120		
Dibromomethane	19.8		µg/l	20.0		99		80-120		
1,2-Dichlorobenzene	19.4		µg/l	20.0		97		80-120		
1,3-Dichlorobenzene	21.5		µg/l	20.0		107		80-120		
1,4-Dichlorobenzene	18.3		µg/l	20.0		91		80-120		
Dichlorodifluoromethane (Freon12)	21.9		µg/l	20.0		110		80-120		
1,1-Dichloroethane	18.3		µg/l	20.0		92		80-120		
1,2-Dichloroethane	19.5		µg/l	20.0		98		80-120		
1,1-Dichloroethene	18.8		µg/l	20.0		94		80-120		
cis-1,2-Dichloroethene	19.8		µg/l	20.0		99		80-120		
trans-1,2-Dichloroethene	18.8		µg/l	20.0		94		80-120		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328359 - SW846 5030 Water MS										
<u>LCS (1328359-BS1)</u>										
<u>Prepared & Analyzed: 21-Nov-13</u>										
1,2-Dichloropropane	20.1		µg/l		20.0	100	80-120			
1,3-Dichloropropane	19.8		µg/l		20.0	99	80-120			
2,2-Dichloropropane	20.2		µg/l		20.0	101	80-120			
1,1-Dichloropropene	20.5		µg/l		20.0	103	80-120			
cis-1,3-Dichloropropene	21.0		µg/l		20.0	105	80-120			
trans-1,3-Dichloropropene	20.0		µg/l		20.0	100	80-120			
Ethylbenzene	20.6		µg/l		20.0	103	80-120			
Hexachlorobutadiene	21.4		µg/l		20.0	107	80-120			
2-Hexanone (MBK)	17.7		µg/l		20.0	89	70-130			
Isopropylbenzene	20.6		µg/l		20.0	103	80-120			
4-Isopropyltoluene	18.8		µg/l		20.0	94	80-120			
Methyl tert-butyl ether	17.4		µg/l		20.0	87	80-120			
4-Methyl-2-pentanone (MIBK)	18.0		µg/l		20.0	90	70-130			
Methylene chloride	20.0		µg/l		20.0	100	80-120			
Naphthalene	18.2		µg/l		20.0	91	80-120			
n-Propylbenzene	22.0		µg/l		20.0	110	80-120			
Styrene	19.2		µg/l		20.0	96	80-120			
1,1,1,2-Tetrachloroethane	20.3		µg/l		20.0	102	80-120			
1,1,2,2-Tetrachloroethane	19.9		µg/l		20.0	99	80-120			
Tetrachloroethene	20.0		µg/l		20.0	100	80-120			
Toluene	20.1		µg/l		20.0	101	80-120			
1,2,3-Trichlorobenzene	19.7		µg/l		20.0	98	80-120			
1,2,4-Trichlorobenzene	18.9		µg/l		20.0	94	80-120			
1,1,1-Trichloroethane	20.2		µg/l		20.0	101	80-120			
1,1,2-Trichloroethane	20.1		µg/l		20.0	100	80-120			
Trichloroethene	19.4		µg/l		20.0	97	80-120			
Trichlorofluoromethane (Freon 11)	20.0		µg/l		20.0	100	80-120			
1,2,3-Trichloropropane	19.7		µg/l		20.0	99	80-120			
1,2,4-Trimethylbenzene	18.0		µg/l		20.0	90	80-120			
1,3,5-Trimethylbenzene	19.0		µg/l		20.0	95	80-120			
Vinyl chloride	21.7		µg/l		20.0	108	80-120			
m,p-Xylene	42.7		µg/l		40.0	107	80-120			
o-Xylene	20.9		µg/l		20.0	104	80-120			
Tetrahydrofuran	19.3		µg/l		20.0	96	70-130			
Tert-amyl methyl ether	22.3		µg/l		20.0	111	70-130			
Ethyl tert-butyl ether	19.3		µg/l		20.0	97	70-130			
Di-isopropyl ether	20.2		µg/l		20.0	101	70-130			
Tert-Butanol / butyl alcohol	163		µg/l		200	82	70-130			
Surrogate: 4-Bromofluorobenzene	51.4		µg/l		50.0	103	80-120			
Surrogate: Toluene-d8	50.0		µg/l		50.0	100	80-120			
Surrogate: 1,2-Dichloroethane-d4	50.2		µg/l		50.0	100	80-120			
Surrogate: Dibromofluoromethane	51.4		µg/l		50.0	103	80-120			

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Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328088 - SW846 3510C										
<u>Blank (1328088-BLK1)</u>										
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Ligroin	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Hydraulic Oil	< 0.2		mg/l	0.2						
Dielectric Fluid	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
Surrogate: 1-Chlorooctadecane	0.0618		mg/l		0.0500		124	40-140		
<u>LCS (1328088-BS1)</u>										
Fuel Oil #2	9.4		mg/l	0.2	10.0		94	40-140		
Surrogate: 1-Chlorooctadecane	0.0462		mg/l		0.0500		92	40-140		

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Notes and Definitions

D	Data reported from a dilution
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

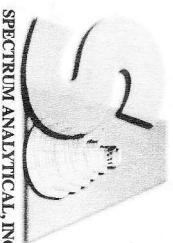
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Nicole Leja

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CHAIN OF CUSTODY RECORD

Page 1 of 2

Report To: ECS

Invoice To: _____

Project No.: 08-221182.00

Waterbury, CT 06706

Site Name: Waterbury, CT

Rush TAT - Date Needed: 11/22/13

Telephone #: 802-241-4113

P.O. No.: 6945

Location: Waterbury State: VT

Project Mgr.: Laura Wachter

Sampler(s): Jc / Lw

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH 12=

8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=

List preservative code below:
* additional charges may apply

DW=Drinking Water GW=Groundwater O=Oil SW=Surface Water SQ=Soil SL=Sludge A=Air X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type
Jul 12 01	TRP Blm	11/14/13	—	G DW
-02	396 RT.109		8:40	1
-03	454 RT.109		9:00	3
-04	64 Church St		11:15	
-05	549 RT.109		11:10	
-06	556 RT.109		10:10	
-07	600 RT.109		11:45	
-08	619 RT.109		11:35	
-09	634 RT.109		12:00	
-10	738 RT.109		12:30	

Containers:	Analyses:
2	2

524.2
TPH 8100

11/14/13

State-specific reporting standards:
L. L. R.

Special Handling:
□ Standard TAT - 7 to 10 business days
□ Rush TAT - Date Needed: 11/22/13
All TATs subject to laboratory approval
Min. 24-hour notification needed for rushes
Samples disposed of after 60 days unless otherwise instructed.

MA DEP MCP CAM Report: Yes No
CT DPH RCP Report: Yes No
QA/QC Reporting Level
□ Standard □ No QC □ DQA*
□ NY ASP A* □ NY ASP B*
□ NJ Reduced* □ NJ Full*
□ TIER II* □ TIER IV*

□ Other

Condition upon receipt: Custody Seals: Present Intact Broken
□ Ambient Frozen Refrigerated DI VOA Frozen Soil Jar Frozen

E-mail to Lincodand@ecconsol.com

Received by: Date: Time: Temp°C
11/14/13 65.50

EDD Format

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From: (802) 241-4131
Amy Beth Connell
ECS
1 Elm St.
Suite 3
Waterbury, VT 05676

Origin ID: MVLA



J13201306280326

Ship Date: 14NOV13
ActWgt: 25.0 LB
CAD: 103826659/NET3430

Delivery Address Bar Code



Ref #

Invoice #

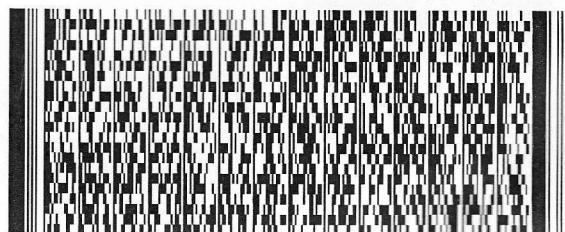
PO #

Dept #

SHIP TO: (413) 789-9018
Laboratory
Spectrum Analytical
11 ALMGREN DR

BILL RECIPIENT

AGAWAM, MA 01001

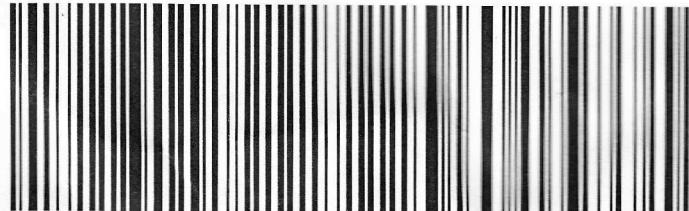


FRI - 15 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 7971 6246 9441
0201

01001
MA-US
BDL

EB EHTA



51AG1/D5E6/1A9E

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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From: (802) 241-4131
Amy Beth Connell
ECS
1 Elm St.
Suite 3
Waterbury, VT 05676

Origin ID: MVLA



J13201306280326

Ship Date: 14NOV13
ActWgt: 30.0 LB
CAD: 103826659/INET3430

Delivery Address Bar Code



Ref #
Invoice #
PO #
Dept #

SHIP TO: (413) 789-9018
Laboratory
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

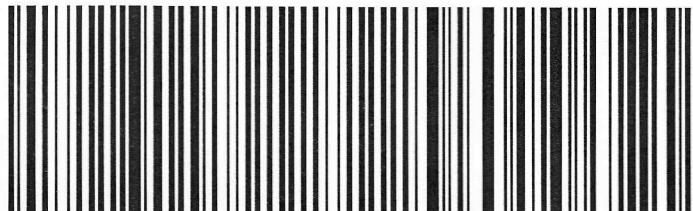
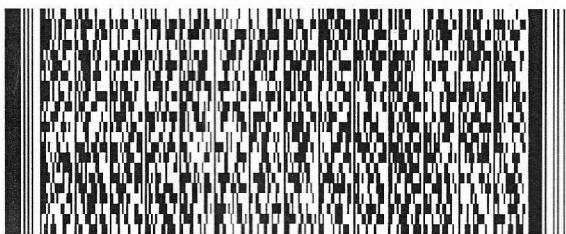
BILL RECIPIENT

FRI - 15 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 7971 6226 8770
0201

01001
MA-US
BDL

EB EHTA



51AG1/D5E6/1A9E

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